

SEP 06 2007

IN THE CLAIMS:

Please AMEND claims 1, 9, 11, 19 and 22 and CANCEL claim 4 without prejudice or disclaimer in accordance with the following:

1. (Currently Amended) A method of transmitting signals to a controllable ~~node~~destination node associated with a device, the controllable ~~node~~destination node being linked to at least one ~~other node~~two nodes via a communication bus, the method comprising ~~the steps of:~~

- a) transmitting a signal from a controller using a radio frequency transmission;
- b) receiving the transmission signal by a ~~node~~the at least two nodes having respective radio frequency receiving configurations;
- c) detecting at least ~~part~~a part of the transmission signal that indicates the destination node;
- d) selecting a timeslot for each of said the transmission signal indicating a destination node, and ~~retransmitting the~~ at least two nodes for performing a retransmission of at least a part of the transmission signal by the node having the radio frequency receiving configuration to the destination node via the communication bus, each of the at least two nodes; and
- e) performing the retransmission of at least a part of the transmission signal to the destination node via the communication bus by only the node for which an earliest occurring timeslot has been selected, wherein
when a node, for which a later occurring timeslot has been selected, detects the reception of the retransmission signal, the later timeslot node aborts a retransmission of the signal therefrom.

2. (Previously Presented) The method according to claim 1, further comprising the step of determining a timeslot in which the retransmitting step is performed by the node having the radio frequency receiving configuration.

3. (Previously Presented) The method according to claim 2, wherein the timeslot is randomly selected.

4. (Cancelled)

5. (Previously Presented) The method according to claim 1, wherein at least part of the transmission signal indicating the destination node includes an identification of the destination node.

6. (Previously Presented) The method according to claim 1, wherein the retransmitting step is performed by a wired communication bus.

7. (Previously Presented) The method according to claim 1, wherein the transmitting step is performed by a wireless radio frequency remote control.

8. (Previously Presented) The method according to claim 1, further comprising the steps of transmitting a response signal from the destination node, the response signal including one of an acknowledgement, a request, a measured value or combinations thereof, and routing the response signal corresponding to a routing of the transmission signal.

9. (Currently Amended) A system for a transmission of signals, the system comprising:

a ~~controllable~~destination node associated with a device, the ~~controllable~~destination node linked to at least one other node two nodes via a communication bus, ~~wherein at least one of the two nodes is being~~ configured to receive a at-least-one-signal from among the plurality-of-signals, ~~the signal which is~~ transmitted from at-least-one-a controller using a radio frequency;

means for ~~detection of~~detecting at least a part of the signal indicating ~~a the~~

destination node;

means for selecting a timeslot for each of the at least two nodes for performing a retransmission of at least a part of the signal by each of the at least two nodes; and

means for retransmitting the received signal or information therein at least the part of the signal to the destination node via the communication bus, wherein

the means for detecting, the means for selecting the timeslot and the means for retransmitting are associated with each of the at least one receiving node; two nodes.

the retransmission is performed only by the node for which an earliest occurring timeslot has been selected, and

when a node, for which a later occurring timeslot has been selected, detects the reception of the retransmission signal, the later timeslot node aborts a retransmission of the signal therefrom.

10. (Previously Presented) The system according to claim 9, further comprising a plurality of the nodes in the form of controllable units each associated with respective devices, and at least one communication bus, the communication bus defining a subnet in the system and being linked to at least one of the nodes configured to receive the signal and wherein transmission of signals to or from the subnet is performed by means for transmitting a radio frequency.

11. (Currently Amended) The system according to claim 9, wherein the nodes includes means for identifying an identification part of the received signal.

12. (Previously Presented) The system according to claim 9, further comprising means for initiating a re-transmission of at least portion of a received signal.

13. (Previously Presented) The system according to claim 9, further comprising remote control means for transmission of the signals to at least one node in the system.

14. (Previously Presented) The system according to claim 9, wherein the communication bus has a communication channel made operable by a wired connection.

15. (Previously Presented) The system according to claim 9, further comprising means for establishing and storing a table having identification of destination nodes linked by a communication bus.

16. (Previously Presented) The system according to claim 9, further comprising a power supply connected to a plurality of the nodes.

17. (Previously Presented) The system according to claim 16, wherein the communication bus includes a communication channel configured to operate by modulation or superimposition.

18. (Previously Presented) The system according to claim 9, wherein at least one of the nodes on a subnet comprises control means for performing control of operations by the device and in relation to other nodes in the system to prioritize the operations, the control means including means for keeping account of available resources, means for accepting or denying requests from nodes on the subnet, means for aborting at least one of the operations, means for valuating requests and the operations, or combinations thereof.

19. (Currently Amended) The system according to claim 9, wherein ~~the said at least~~ two nodes for receiving the signal ~~is are~~ transceivers configured to respond to received signals by transmitting a response signal including an acknowledgement, a request, a measured value or combinations thereof.

20. (Previously Presented) The method according to claim 5, wherein the identification of the destination node is an address.

21. (Previously Presented) The method according to claim 1, wherein the transmission signal is selected from the group consisting of a control signal, a request signal, an interrogation signal and combinations thereof.

22. (Currently Amended) A system for controlling a device, the system comprising:
a communication bus having a plurality of nodes, at least ~~one~~two of the nodes being ~~a~~controllable nodes;

a controllable device in communication with the controllable nodes;

a controller in communication with at least one of the controllable nodes, the controller configured to transmit an electromagnetic signal to the controllable node, the controllable ~~node~~ nodes being configured to detect a destination signal embedded in the electromagnetic signal; and to select a timeslot for each of the nodes for retransmitting at least a portion of the received signal; and

a plurality of destination nodes in communication with the communication bus, the destination signal designating a specific destination node associated with the controllable device from among the plurality of destination nodes, the specific destination node configured for transmitting a response signal in response to at least a portion of the destination signal and for sending at least another part of the destination signal to the controllable device, wherein

the system is configured such that the retransmittal is performed only by the controllable node, for which an earliest occurring timeslot has been selected, and wherein a controllable node of said at least two controllable nodes, for which a later occurring timeslot has been selected, will abort a retransmittal therefrom in case the later timeslot node detects the reception of said at least a portion of the received signal.

23. (Previously Presented) The system according to claim 22, wherein the ~~controllable device and the controller are wirelessly linked to nodes.~~

24. (Previously Presented) The system according to claim 22, wherein the controllable device and the controller are hard-wired to the nodes.

25. (Previously Presented) The system according to claim 22, further comprising a plurality of controllable devices, wherein the destination signal designates a specific controllable device for control.

26. (Previously Presented) The system according to claim 22, wherein the electromagnetic signal, the destination signal and the response signal are transmitted during predefined timeslots to avoid interference.

27. (Previously Presented) The system according to claim 22, wherein the specific destination node is identified by a priority value, an address, a radio frequency, a response value, or combinations thereof.

28. (Previously Presented) The system according to claim 22, wherein the controllable device and the specific destination node transmits the response signal in a random timeslot.

29. (Previously Presented) The system according to claim 22, wherein the at least another part of the destination signal is a control signal to control the controllable device.